

PRODUCT BROCHURE

KERN EG 620-3NM

Date: 28.04.2025

ENGLISH



The classic balance with robust tuning fork measuring system

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



DESCRIPTION

- Internal adjustment in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- Stable temperature behaviour
- Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Draught shield standard, weighing space W×D×H 158×130×78 mm
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	EG 620-3NM
Model-Serie	EG
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances

Product usage type	Main article
EAN code (Model)	4045761212633
Predecessor Model	EG 620-3NM-2017a
Customs tariff number	90160010
CE Label	yes

Technical data - Primary

Weighing capacity	620 g
-------------------	-------

Readability	0.001 g
Repeatability	0.001 g
Linearity	± 0.004 g
Minimum piece weight	10 mg
Weighing surface (d)	118 mm

Technical data - Construction

Dimension housing (W×D×H)	180×235×75 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	plastic
Weighing surface (d)	118 mm
Dimensions of weighing plate (diameter)	118 mm
Material draft shield	plastic

Technical data - Display

Display height	17 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	AUS;CH;EURO;UK;US
Charging time	12 h
Input Voltage	220 V - 240 V AC, 50 Hz
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with internal weight (manual)
Linearity	± 0.004 g
Minimum weight (USP)	2 g
Readability	0.001 g
Repeatability	0.001 g
Stabilisation time under laboratory conditions	3 s
Warm up time	4 h
Carat - max capacity	3100 ct
Carat - readout	0.01 ct

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	30 °C
Minimum ambient temperature	10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	315×360×265 mm
Gross weight	3.4 kg
Net weight	2 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	905 g
Packaging component - by weight - plastics	30 g
Packaging component - by weight - styrofoam	0 g

Packaging component - by weight - glass	0 g
Packaging component - by weight - wood	0 g
Packaging component - by weight - foam	100 g
Packaging component - by weight - metal	0 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	620000
Minimum piece weight at piece counting (Laboratory)	1 mg
Minimum piece weight	10 mg

Technical data - Verification

Verification value (e)	0.01 g
Minimum load (Min)	0.1 g
Verification by KERN possible	yes
Verification class	I

Technical data - Illumination

Draft shield optionally available	yes
--------------------------------------	-----

Technical data - Moisture analyzing

Draft shield optionally available	yes
--------------------------------------	-----

Optional Services

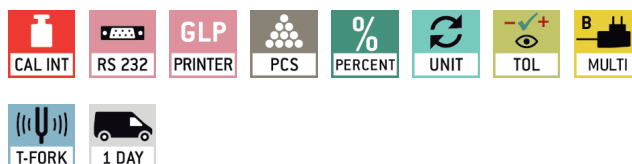
DAkkS Calibration	963-103
-------------------	---------

Verification

965-201

FUNCTIONS

Standard



Option



Factory



ACCESSORIES

Model	Description
EG-A03	Large glass draught shield EG-A03
EG-A04	Internal Rechargeable Battery Pack KERN EG-A04
EG-A05	Protective Working Cover KERN EG-A05
EG-A07	Suspended weighing KERN EG-A07
911-013	Matrix needle printer KERN 911-013
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
AFH 13	Converter KERN AFH 13
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
474-926	Interface cable 474-926
315-109-206	Safety Set KERN 315-109-206
YPS-03	Antivibration table YPS-03
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
YKA-03N	Power Adapter KERN YKA-03N
YKC-01	Thermal printer KERN YKC-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
965-201	Verification / Conformity assessment according to NAWI (2014/31/EU) KERN 965-201
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
963-103	DAkkS Calibration KERN 963-103
970-106	Warranty extension KERN (+2 years) 970-106

SPARE PARTS

Model	Description
EG-A04	Internal Rechargeable Battery Pack KERN EG-A04
EG-A05	Protective Working Cover KERN EG-A05
REWN-5001	Power socket REWN-5001
REWN-06-004	Metal plate: High accuracy of measurement due to the level metal plate REWN-06-004
REWN-01-001	LCD Screen REWN-01-001
REWN-02-001	Weighing plate KERN REWN-02-001
REWN-03-001	Weighingplate carrier KERN REWN-03-001
REWN-04-001	Rubber shock absorber KERN REWN-04-001
REWN-05-001	Base plate KERN REWN-05-001
REWN-06-002	rubber foot KERN REWN-06-002
REWN-06-003	Adjustable base foot REWN-06-003
REWN-07-001	Simultaneous measurement on up to four channels. External sensors with sensor data memory, optionally available REWN-07-001
REWN-07-002	Simultaneous measurement on up to four channels. External sensors with sensor data memory, optionally available REWN-07-002
REWN-09-001	Level bubble REWN-09-001
REWN-1003	Stock KERN REWN-1003
REWN-4003	Keyboard overlay KERN REWN-4003
REGA-4001	Display overlay REGA-4001
REGA-2003	Main PCB REGA-2003
YKA-50	Power Adapter KERN YKA-50
YKA-03N	Power Adapter KERN YKA-03N

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
EG 220-3NM	220 g	0.001 g	0.001 g	± 0.002 g	10 mg	118 mm
EG 2200-2NM	2200 g	0.01 g	0.01 g	± 0.01 g	100 mg	180×160 mm

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
EG 4200-2NM	4200 g	0.01 g	0.01 g	± 0.02 g	100 mg	180×160 mm
EG 420-3NM	420 g	0.001 g	0.001 g	± 0.003 g	10 mg	118 mm
EG 620-3NM	620 g	0.001 g	0.001 g	± 0.004 g	10 mg	118 mm